

Notes on Begoniaceae -- II

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The following new and emended species of Begonia are needed for treatments which we have undertaken for the "Flora de Venezuela" and the "Flora of Ecuador". We are comparing them with the known species from the corresponding country, but in our manuscript of the "Illustrated Key to the Species of Begoniaceae" they appear to be distinct for the World.

VENEZUELA

Cf. L. B. Smith, Begonia of Venezuela, Phytologia 27: 209-227, pl. 1-9. 1973.

19a. BEGONIA HUMILLIMA L. B. Smith & D. C. Wasshausen, sp. nov. A B. prieurii A. DC. filamentis in columna connatis, et a B. steyermarkii L. B. Smith & Schubert tepalis femineis liberis et ab ambo habito prostrato et foliorum laminis bullatis differt.

Planta mollis prostrata, cauli repenti ramoso puberulo ad nodos radicanti, stipulis persistentibus ovatis filiforme-mucronatis, petiolis puberulis, foliorum laminis obliquis subovatis bullatis duplicato-dentatis, pedunculis brevibus, inflorescentiis masculinis racemosis, paucifloris, bracteis persistentibus serratis, tepalis masculinis 4 ovatis albis, filamentis in columna connatis, inflorescentiis femineis unifloris, bracteolis ellipticis laceratis, tepalis femineis 5 subaequalibus, alis valde inaequalibus, placentis simplicibus.

Type: Venezuela: Yaracuy: Distrito Brizual: Montaña de Maria Lionza: virgin evergreen forest, ascent of mountain along Quebrada Quibayo, above Quibayo, south of Chivacoa, near summit, Lat. 10°, 6-7' N., Long. 69° 55' W, alt. 850 m., 14 March 1981, Julian Steyermark, Claudia Sobrevila, Denis Fernandez & Anne Beatriz Hernandez 12511 (Holotype, VEN; isotype US).

28a. BEGONIA CONFINIS L. B. Smith & D. C. Wasshausen, sp. nov. A B. foliosa H.B.K. et B. microphylla A. DC. ramis minoribus hispidis, foliorum laminis rhombicis grosse dentatis usque subtrilobatis differt.

Ramosissima, ramis ad nodos incrassatis hispidis, stipulis persistentibus late ovatis, petiolis brevissimis, foliorum laminis rectis dimidiatis rhombicis grosse dentatis usque subtrilobatis, pedunculis axillaribus filamentosis, inflorescentiis floribus duobus gerentibus, bracteis persistentibus laceratis, tepalis masculinis 4 albis, subaequalibus ellipticis, tepalis femineis 5 subaequalibus, alis valde inaequalibus, placentis

acutis.

Type: Venezuela: Zulia: Distrito Perijá: in densely shrubby area of moist, slightly open forest. "Campamento Frontera V", on international boundary; headwaters of Río Guasare, Lat. $10^{\circ} 23' 07.8''$ N, Long. $72^{\circ} 52' 45.5''$ W, 20-23 July 1974, Charles W. Wood & Paul E. Berry 99 (Holotype, US; isotype, VEN).

ECUADOR

Cf. L. B. Smith & D. C. Wasshausen, Begonia of Ecuador, *Phytologia* 44: 233-256, pl. 1-9. 1979.

49. BEGONIA PIURENSIS L. B. Smith & B. G. Schubert, *Field Mus. Pub. Bot.* 13, pt. 4: 197. 1941; emend. L. B. Smith & D. C. Wasshausen.

Planta juvenis, stipulis ovatis, acutis, ca. 6 mm longis, mox deciduis, tepalis roseis.

Ecuador: Azuay: roadside, 30 km east of Jesus Maria, border with Cañar, alt. 1700 m, 12 April 1980, Al Gentry, Carmen Bonifaz & R. Horna 28498 (MO, US).

Plate 1



Begonia humillima Smith & Wasshausen

Plate 2



Begonia confinis Smith & Wasshausen

Plate 3



Begonia piurensis Smith & Schubert, emend. Smith & Wasshausen